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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/893,004	06/28/2001	Sunao Sawada	H-995	6400
7590	09/16/2004		EXAMINER	
			JAROENCHONWANIT, BUNJOB	
			ART UNIT	PAPER NUMBER
			2143	
DATE MAILED: 09/16/2004				

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>
	09/893,004	SAWADA ET AL.
	<b>Examiner</b>	<b>Art Unit</b>
	Bunjob Jaroenchonwanit	2143

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) Responsive to communication(s) filed on 28 June 2001.
- 2a) This action is **FINAL**.                            2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) Claim(s) 1-5 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) Claim(s) 1-4 is/are allowed.
- 6) Claim(s) 5 is/are rejected.
- 7) Claim(s) \_\_\_\_\_ is/are objected to.
- 8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on 28 June 2001 is/are: a) accepted or b) objected to by the Examiner.  
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
 a) All    b) Some \* c) None of:  
 1. Certified copies of the priority documents have been received.  
 2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) Notice of References Cited (PTO-892)
- 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
 Paper No(s)/Mail Date \_\_\_\_\_.

- 4) Interview Summary (PTO-413)  
 Paper No(s)/Mail Date. \_\_\_\_\_.
- 5) Notice of Informal Patent Application (PTO-152)
- 6) Other: \_\_\_\_\_.

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

***Claim Rejections - 35 USC § 102***

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claim 5 is rejected under 35 U.S.C. 102(e) as being anticipated by Lin et al (US 6,282,575).

3. Regarding claim 5, Lin discloses an inventive concept for a packet communications comprising:

network interfaces, which are inherent in all network devices, the server for authentication and the file server; an IP address registration table for authentication are registered, e.g. routing table (abstract, Fig. 1, claim 5); and

packet forwarding unit that forwards a packet whose source address matches an address registered in said address registration table and encapsulates a packet whose source address is not registered in the IP address registration table and then sends the encapsulated packet a specific address (routing manager forwarded accounting response Fig. 2; Col. 3, lines 4-19).

4. Claims 1-4 are allowed.

5. The following is an examiner's statement of reasons for allowance: Claim 1, the prior art of record singly or in combination failed to teach *inter alia*, a combination of network interface and a processor for directive packet change and

a processor for directive packets to change state to at receives a directive packet to change state, the packet holding a directive to change the state of a specific network interface to one of the connected state, disconnected state stateless, via said packet forwarding unit from the server for authentication; and state managers, each installed in each network interface and each that receives a directive packet to change state from said processor for directive packets to change state and changes the state of the network interface to one of the connection state, disconnected state and stateless, according to the directive packet to change state.

Claim 4, the prior art of record singly or in combination failed to teach *inter alia*, a combination of network interface and filtering units that perform packet filtering, each located between each of said physical interfaces and the packet forwarding unit and comprising a filtering table containing information for forwarding or discarding a packet and a packet processor that discards a packet or transfers a packet to said packet forwarding unit, according to the contents of said filtering table; and a processor for directives to change filtering that transfers a directive to change filtering from said server for authentication to the appropriate one of said filtering units, changes the information in the filtering table initially set to discard all received packets, according to the directive from said server for authentication, and sequentially adds information for forwarding such packets to said file server that include the address of a user terminal that has now been user-authenticated by said server for authentication as the source address to said filtering table.

6. Claims 2-3 further limited the allowed claim.

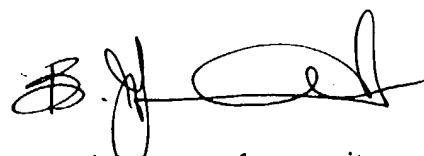
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7. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Bunjob Jaroenchonwanit whose telephone number is (703) 305-9673. The examiner can normally be reached on 8:00-17:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Wiley can be reached on (703) 308-5221. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Bunjob Jaroenchonwanit  
Primary Examiner  
Art Unit 2143

/bj  
9/7/04